THE AMENDMENT

In the Claims

- 1. (previously presented) An array of cells for an electrophoretic display wherein each of said cells comprises:
 - (a) surrounding partition walls,
 - (b) an electrophoretic composition filled therein, and
- (c) a polymeric sealing layer which is formed from a sealing composition having a specific gravity lower than that of said electrophoretic composition and sealingly adheres to the surface of the partition walls to enclose said electrophoretic composition within each cell.
- 2. (previously presented) The cells of Claim 1 wherein said electrophoretic composition comprises charged particles dispersed in a dielectric solvent or solvent mixture.
 - 3. (previously presented) The cells of Claim 1 which are driven by an electric field.
- 4. (previously presented) The cells of Claim 1 wherein said sealing composition comprises a material selected from a group consisting of polyvalent acrylate or methacrylate, cyanoacrylates, polyvalent vinyl, polyvalent epoxide, polyvalent isocyanate, polyvalent allyl, and oligomers or polymers containing cross linkable functional groups.
- 5. (previously presented) The cells of Claim 4 wherein said sealing composition further comprises a polymer or oligomer.
- 6. (previously presented) The cells of Claim 5 wherein said polymer or oligomer is soluble or dispersible in said composition.
- 7. (previously presented) The cells of Claim 4 wherein said sealing composition further comprises an additive.
 - 8. (previously presented) An electrophoretic display comprising:
- a) one top electrode plate and one bottom electrode plate, at least one of which is transparent; and
 - b) a plurality of cells enclosed between the two electrodes, each of said cells

comprises:

- (i) surrounding partition walls,
- (ii) an electrophoretic composition filled therein, and
- (iii) a polymeric sealing layer which is formed from a sealing composition having a specific gravity lower than that of said electrophoretic composition and sealingly adheres to the surface of the partition walls to enclose said electrophoretic composition within each cell.
- 9. (currently amended) The <u>electrophoretic</u> display of Claim 8 in which both said top electrode plate and sealing layer are transparent.
- 10. (currently amended) The <u>electrophoretic</u> display of Claim 9 wherein said top electrode plate is adhered to the sealing layer.
 - 11. (cancelled)
- 12. (currently amended) The <u>electrophoretic</u> display of Claim 8 wherein said sealing composition comprises a material selected from a group consisting of polyvalent acrylate or methacrylate, cyanoacrylates, polyvalent vinyl, polyvalent epoxide, polyvalent isocyanate, polyvalent allyl, and oligomers or polymers containing crosslinkable functional groups.
- 13. (currently amended) The <u>electrophoretic</u> display of Claim 10 wherein said adhesion is through an adhesive layer formed from a pressure sensitive adhesive, a hot melt adhesive, a heat, moisture or radiation curable adhesive.
- 14. (currently amended) The <u>electrophoretic</u> display of Claim 13 wherein said sealing and adhesive layers are formed from different materials.
- 15. (currently amended) The <u>electrophoretic</u> display of Claim 13 wherein said sealing and adhesive layers are formed from the same material.
- 16. (currently amended) The <u>electrophoretic</u> display of Claim 15 wherein said material is a radiation curable material.
- 17. (currently amended) The <u>electrophoretic</u> display of Claim 8 in which the bottom electrode plate on the opposite side of the sealing layer is the viewing side, whereby said bottom

electrode plate is transparent.

- 18. (currently amended) The <u>electrophoretic</u> display of Claim 17 wherein said top electrode plate is adhered to the sealing layer.
- 19. (currently amended) The <u>electrophoretic</u> display of Claim 18 wherein said adhesion is through an adhesive layer formed from a pressure sensitive adhesive, a hot melt adhesive, a heat, moisture or radiation curable adhesive.
- 20. (currently amended) The <u>electrophoretic</u> display of Claim 19 wherein said sealing and adhesive layers are formed from different materials.
- 21. (currently amended) The <u>electrophoretic</u> display of Claim 19 wherein said sealing and adhesive layers are formed from the same material.
- 22. (currently amended) The <u>electrophoretic</u> display of Claim 21 wherein said material is a radiation curable material.
 - 23-31. (cancelled)
- 32. (previously presented) The electrophoretic display of Claim 8 wherein said cells are substantially uniform in size and shape.
- 33. (previously presented) The electrophoretic display of Claim 8 wherein said cells are of different sizes and shapes.
- 34. (previously presented) The electrophoretic display of Claim 8 wherein said cells are non-spherical.
- 35. (previously presented) The electrophoretic display of Claim 8 wherein the cells are formed from microcups with an opening having a circular, polygonal, hexagonal, rectangular or square shape.
- 36. (previously presented) The electrophoretic display of Claim 8 wherein the cells have an opening area ranging from about 10^2 to about $5 \times 10^5 \mu m^2$.
- 37. (previously presented) The electrophoretic display of Claim 36 wherein the cells have an opening area ranging from about 10^3 to about $5 \times 10^4 \mu m^2$.

- 38. (previously presented) The electrophoretic display of Claim 8 wherein the cells have a depth in the range from about 3 to about 100 microns.
- 39. (previously presented) The electrophoretic display of Claim 38 wherein the cells have a depth in the range from about 10 to about 50 microns.
- 40. (previously presented) The electrophoretic display of Claim 8 wherein the cells are formed from microcups have an opening to wall ratio in the range from about 0.05 to about 100.
- 41. (previously presented) The electrophoretic display of Claim 40 wherein the cells are formed from microcups have an opening to wall ratio in the range from about 0.4 to about 20.
- 42. (previously presented) The cells of Claim 2 wherein said electrophoretic composition comprises charged white particles dispersed in a colored dielectric solvent or solvent mixture.
- 43. (previously presented) The cells of Claim 42 wherein said dielectric solvent or solvent mixture is colored by a dye or pigment.
- 44. (previously presented) The cells of Claim 43 wherein said dye or color pigment is uncharged or has a charge polarity different from that of the white pigment particles.
- 45. (previously presented) The electrophoretic display of Claim 8 wherein said sealing composition is a UV curable composition.
- 46. (previously presented) The electrophoretic display of Claim 8 wherein said sealing composition comprises a thermoplastic or thermoset precursor.
- 47. (previously presented) The cells of Claim 1 wherein said sealing composition is a UV curable composition.
- 48. (previously presented) The cells of Claim 1 wherein said sealing composition comprises a thermoplastic or thermoset precursor.
- 49. (previously presented) The cells of Claim 2 wherein said sealing composition is immiscible or incompatible with said dielectric solvent.
 - 50. (cancelled)

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- 51. (previously presented) The electrophoretic display of Claim 8 wherein said sealing composition is dissolved or dispersed in an organic solvent that is incompatible or immiscible with the electrophoretic composition.
 - 52-53. (cancelled)
- 54. (previously presented) The electrophoretic display of Claim 8 wherein said electrophoretic composition is partially filled in each of said cells.
- 55. (previously presented) The electrophoretic display of Claim 54 wherein said partially filled electrophoretic fluid is in contact with said polymeric sealing layer.
- 56. (previously presented) The cells of Claim 4 wherein said polyvalent vinyl is vinylbenzene, vinylsilane or vinylether.
- 57. (currently amended) The <u>eells electrophoretic display</u> of Claim 12 wherein said polyvalent vinyl is vinylbenzene, vinylsilane or vinylether.